

The DX Bulletin

SPECIAL REPORT

• America's Oldest Weekly Amateur Radio Publication •

Chod Harris VP2ML Editor

The 1987 Most Wanted Survey

The 1987 The DX Bulletin Most Wanted Survey was conducted in July, 1987, and results reflect contacts and QSLs received prior to that date. Nearly 1000 DXers worldwide completed and returned the survey this year, a 50% increase over last year! The average respondent has 287 countries confirmed, a truly impressive number. The DX Bulletin would like to thank Everett Jackson WA8CZS for his invaluable contribution in making this survey a reality.

The Top Twenty

The Top Twenty Most Wanted countries hold no surprises for informed DXers. There was some minor reshuffling from last year, but only two countries dropped out of the Top Twenty, and neither dropped far. Glorioso FR/G fell to 26th, and Libya 5A dropped all the way to 36th, thanks to 5A0A and G3JKI/5A. Andamans VU4 slipped to 14th from 5th, but will certainly drop farther as DXers receive their VU4APR QSLs. Spratly 1S jumped into the 7th Most Wanted position, while Laccadives VU7 and Mozambique C9 joined the Top Twenty.

The prospects for activity from the Top Twenty look very good. Plans are afoot for DXpeditions to Bouvet, Vietnam, Spratly, Bhutan, United Arab Emirates, Andamans, South Sandwich and South Georgia, Marion Island and the Laccadives. How many of these operations will actually come off in the next year is hard to say, but probably more than one, which is good news for the DXer. Note stations have been on the air recently from four of the Top Twenty: North Yemen (not good for DXCC) UAE, Andamans, and Kampuchea.

The newcomer to the DXCC list in the past year was Peter 1 Island, which broke into the Most Wanted list at 28th, with more than 60% of The DX Bulletin's readers snagging 3Y1EE or 3Y2GV.

Newcomers to the Most Wanted list this year include Jan Mayen JX #44, Maldives 8Q #46, Tuvalu T20 #71, and Sudan ST #72.

Changes Since 1986

Leading the list of decliners since last year is China BY, which fell all the way to 96th from 47th. Next year's survey will not include China, which topped the list in 1980!

Other substantial decliners are Libya 5A and Minami Tori Shima JD, thanks to active amateurs 5A0A and 7J1ACH. Ogasarawa JD also fell 22 slots, as did Cocos-Keeling VK9Y, aided by multiple DXpeditions. South Orkney VP8 slid 20 positions, the result of the Uruguay DXpedition. Revillagigedo XF4 dropped 20 slots, too, thanks to the XF4DX crew, and Christmas Island VK9X fell 17, with help from Jim Smith VK9NS.

The bad news were those countries moving up in the survey, reflecting increasing need. Tunisia 3V leads the list with an increase of 14. San Felix CE0X also moved up, as did Guinea-Bissau J5.

The countries most likely to drop in the next survey are Andamans VU4, Juan de Nova FR/E, Auckland and Campbell ZL9, Amsterdam FT8Z, Cocos-Keeling VK9Y, Sudan ST, and Thailand HS. Major DXpeditions to any of dozens of rare spots may help even more. Stay tuned.

Regional Variations

East Coast The Top Twenty from the East Coast of North America contains the same 20 countries as the overall list, with some minor shuffling. Burma XZ actually tops the list, instead of Albania, but not by much. The countries especially high on the East Coast DXer's Most Wanted list are understandably the Pacific and Far East. Kingman and Mellish Reefs, Wallis Is., Western Carolines, East Malaysia, and Macao are much needed in the East.

West Coast West Coast DXers have a good shot at 3 of the Top Twenty: Andamans, Spratly and Kampuchea, so those are lower in the West than on other lists. Macao, Malaysia, Willis and Cocos-Keeling are also lower. In the bad news side, African entities such as Chad, Congo, Pagalu Is., and Libya are tough for West Coast DXers, as are Maldives, SMOM, and the perpetual West Coast nemesis, Malpelo.

Europe European DXers have made good use of their shorter propagation paths and greater choice of bands to snag most of the "local" rare ones, such as SMOM, Mt. Athos, United Arab Emirates, Libya, Jan Mayen, and Iraq. And European DXers are still the only group to have Albania confirmations in any numbers, so that ZA ranks only third in their list. As you would expect, the Pacific islands are high on their list. Countries ranking higher than on the main list include Kingman, Auckland and Campbell, Palmyra, Baker-Howland, and Mellish. Revillagigedo is still up at 19th, even after the special effort to work Europe by XF4DX. Kure Island, a chip shot for West Coast DXers, ranks 22nd for Europe.

Asia Speaking of chip shots, Asian DXers clean up in the Far East, with Kampuchea, Laos, Bangladesh, and Bhutan far down their lists. The Asian DXers especially seek SMOM, Malpelo, Benin, San Felix, South Orkney, Guinea-Bissau, Togo, and Cameroon. DXpeditioners, take note!

Changes Since 1980

Looking back to the first The DX Bulletin Most Wanted Survey in 1980, we see many changes. The most dramatic drop has been China, which fell from #1 in 1980, to 96th this year. Fernando de Noronha has also plummeted from 36th to 88th, and Uganda dropped from 23rd to 75th, thanks in large part to Gerry 5X5GK. The CE0AA operation moved San Felix from 11th in 1980 to only 57th this year, but it is moving up again. Togo 5V is down to 84th from 45, and Mali dropped to 97th from 59th. Taiwan, Macquarie, and St. Peter and St. Paul Rocks also fell in need in the past seven years.

The other side of the coin has Bhutan moving up from 55th to 11th, now that A51PN has retired. Niger rose from 66th to 22th, and Spratly climbed to 10th from 53rd. Bangladesh also moved up into the Top Ten, from 49th seven years ago. Other countries increasing substantially in demand are South Georgia and South Sandwich, Mt. Athos, Southern Sudan, Auckland and Campbell, Abu Ail, Laos, UAE, Tromelin, and Sao Tome.

Countries maintaining their popularity are Burma, South Yemen, Albania, Bouvet, and the Andamans.

You'll find more interesting information inside. Enjoy your 1987 The DX Bulletin Most Wanted Survey!

The 1987 Most Wanted Survey

The survey results are listed in the following order: Rank in the 1987 survey, in order from Most Wanted to least; The DXCC Country name, regrettably condensed to only 8 letters; The most common prefix for that country; the percentage of respondents who "need" that country; that country's rank in last year's The DX Bulletin Most Wanted Survey; the change in position from late year; and the Rank and Change in position from the 1980 Most Wanted Survey. For Albania ZA #1, 84% of DXers said that "needed" ZA, it was #1 last year, and showed no change, and moved up from 4th in 1980. In the later four columns, N/A means the entry was not in the previous survey. A positive value in the Change column means the entry moved up in rank, ie., became More Wanted.

Also, a negative Change showed the entry has moved down in rank, or is needed by fewer DXers.

On the right is the first 73 entries in the 1986 The DX Bulletin Most Wanted Survey, for comparison to this year's results. Listing are: DXCC Country, Prefix, and Rank in 1986.

Page 3 includes the top 73 Most Wanted entries from five geographic locations: the East Coast, Midwest, and West Coast of North America, Europe, and Asia. Each line is DXCC Country, Prefix, and percentage of respondents in that area who "need" that country. Burma is #1 on the East Coast, with 84% of East Coast DXers "needing" XZ.

The top 50 Most Wanted Countries from the 1980 survey are listed on page 4. All results • The DX Bulletin, 1987.

1986 Results

DXCC	Country	Rank
Albania	ZA	1
S Yemen	70	2
Bouvet	3Y	3
Burma	XZ	4
Andaman	VU4	5
Vietnam	XV	6
Afghanis	YA	7
N Yemen	4W	8
Libya	5A	9
Laos	XW	10
Bngldesh	S2	11
U. A. E.	A6	12
S.Sandwh	VP8	13
Mt Athos	SV/A	14
Kampucha	XU	15
Bhutan	A5	16
Spratly	1S	17
Marion I	ZS2	18
S.Georga	VP8	19
Glorioso	FR/G	20
Mozambqe	C9	21
Niger	5U	22
Lacative	VU7	23
JuanNova	FR/E	24
Ethiopia	ET	25
Tromelin	FR/T	26
Abu Ali		27
Agalega	3B6	28
Somali	60	29
S Sudan	ST0	30
A & C Is	ZL9	31
Kingman	KH5K	32
Congo	TN	33
Pagalu I	3C0	34
SMOM	1A0	35
Heard Is	VK0	36
Malpelo	HK0	37
Cocos-K	VK9Y	38
Iraq	YI	39
Masagasy	5R	40
Chad	TT	41
Angola	D2	42
Baker HW	KH1	43
Benin	TY1	44
S.Orkney	VP8	44
Mayotte	FH	45
Mellish	VK9M	46
St P/P	PY0P	47
Amster	FT8Z	48
China	BY	49
Sovbases	ZC4	50
Comoros	D6	51
E Malays	9M6	52
Xmas Is	VK9X	53
Trindade	PY0T	54
Sao Tome	S9	55
Iran	EP	56
Armenia	UG6	57
Palmyra	KH5	58
Willis	VK9W	59
Ogaswara	JD	60
Kergelen	FT8X	62
Uganda	5X	62
Macao	XX9	63
Cameroon	TJ	64
Rwanda	9X	65
Rev Gig	XF4	66
S. Felix	CE0	67
Macquari	VK0	68
Tunisia	3V	69
Minami T	JD	70
C Kiribt	T31	71

1987				1986			1980		
Rank	DXCC	Country	% Need	Rank	Chg		Rank	Chg	
1	Albania	ZA	84	1	0		4	3	
2	Burma	XZ	77	4	2		3	1	
3	Bouvet	3Y	74	3	0		12	9	
4	S Yemen	70	74	2	-2		7	3	
5	Vietnam	XV	71	6	1		17	12	
6	Afghanis	YA	68	7	1		19	13	
7	N Yemen	4W	67	8	1		20	13	
8	Laos	XW	59	10	2		26	18	
9	Bngldesh	S2	58	11	2		49	40	
10	Spratly	1S	55	17	7		53	43	
11	Bhutan	A5	54	16	5		55	44	
12	U. A. E.	A6	53	12	0		30	18	
13	Mt Athos	SV/A	53	14	1		45	32	
14	Andaman	VU4	52	5	-9		10	-4	
15	S.Sandwh	VP8	52	13	-2		48	33	
16	S.Georga	VP8	51	19	3		53	37	
17	Marion I	ZS2	51	18	1	N/A	N/A		
18	Kampucha	XU	50	15	-3		8	-10	
19	Lacative	VU7	46	23	4	5	-14		
20	Mozambqe	C9	46	21	1	N/A	N/A		
21	Tromelin	FR/T	45	26	5		38	17	
22	Niger	5U	45	22	0		66	44	
23	JuanNova	FR/E	44	24	1		14	-9	
24	Abu Ali		43	27	3		47	23	
25	Ethiopia	ET	43	25	0	N/A	N/A		
26	Glorioso	FR/G	40	20	-6		15	-11	
27	Agalega	3B6	40	28	1	N/A	N/A		
28	Peter I	3Y	39	N/A	N/A	N/A	N/A		
29	S Sudan	ST0	39	30	1		57	28	
30	Kingman	KH5K	38	32	2	N/A	N/A		
31	Malpelo	HK0	38	37	6		18	-13	
32	A & C Is	ZL9	37	31	-1		58	26	
33	Somali	60	36	29	-4		21	-12	
34	SMOM	1A0	36	35	1	N/A	N/A		
35	Congo	TN	36	33	-2		28	-7	
36	Libya	5A	35	9	-29		22	-14	
37	Mellish	VK9M	34	46	9		50	13	
38	Masagasy	5R	34	40	2		31	-7	
39	Baker HW	KH1	34	43	4	N/A	N/A		
40	Chad	TT	33	41	-1		33	-7	
41	Benin	TY1	33	44	3		34	-7	
42	Angola	D2	33	42	0	N/A	N/A		
43	Pagalu I	3C0	32	34	-9		39	-6	
44	JanMayen	JX	31	N/A	N/A	N/A	N/A		
45	Iraq	YI	31	39	-6		41	-4	
46	Maldives	8Q	31	N/A	N/A	N/A	N/A		
47	Heard Is	VK0	31	36	-11		6	-41	
48	Iran	EP	31	56	8	N/A	N/A		
49	Palmyra	KH5	31	58	9	N/A	N/A		
50	Amster	FT8Z	30	48	-2	N/A	N/A		

1987				1986			1980		
Rank	DXCC	Country	% Need	Rank	Chg		Rank	Chg	
51	Willis	VK9W	29	59	8		37	-14	
52	Armenia	UG6	29	57	5	N/A	N/A		
53	Trindade	PY0T	29	54	-1		62	9	
54	Sao Tome	S9	27	55	-1		72	18	
55	Tunisia	3V	27	69	14	N/A	N/A		
56	S. Felix	CE0	27	67	11		11	-45	
57	Mayotte	FH	26	45	-12		51	-6	
58	Rwanda	9X	26	65	7	N/A	N/A		
59	Macao	XX9	26	63	4	N/A	N/A		
60	Cocos-K	VK9Y	26	38	-22		52	-8	
61	St P/P	PY0P	26	47	-14		36	-25	
62	E Malays	9M6	26	52	-10		62	0	
63	Sovbases	ZC4	26	50	-13	N/A	N/A		
64	S.Orkney	VP8	26	44	-20	N/A	N/A		
65	Kergelen	FT8X	25	62	-5	N/A	N/A		
66	Guinea B	J5	25	76	10		61	-5	
67	Comoros	D6	24	51	-16		43	-24	
68	C Kiribt	T31	24	71	3	N/A	N/A		
69	Egypt	SU	24	74	5	N/A	N/A		
70	Xmas Is	VK9X	23	53	-17	N/A	N/A		
71	Tuvalu	T2	23	N/A	N/A	N/A	N/A		
72	Sudan	ST	23	N/A	N/A	N/A	N/A		
73	Cameroon	TJ	23	64	-9		67	-6	
74	Uganda	5X	22	62	-12		23	-51	
75	Nepal	9N	22	79	4	N/A	N/A		
76	Burundi	9U	21	83	7	N/A	N/A		
77	Mongolia	JT	21	82	5	N/A	N/A		
78	Macquari	VK0	21	68	-10		52	-26	
79	Ghana	9G	21	84	5	N/A	N/A		
80	W Caroln	KC6	21	72	-8	N/A	N/A		
81	Brunei	V85	20	73	-8	N/A	N/A		
82	Ogaswara	JD	19	60	-22	N/A	N/A		
83	Togo	5V	19	80	-3		45	-38	
84	Wallis	FW	19	85	-1	N/A	N/A		
85	Taiwan	BV	18	75	-10		60	-25	
86	Rev Gig	XF4	18	66	-20	N/A	N/A		
87	Fernando	PYOF	18	92	5		36	-51	
88	Thailand	HS	18	88	0	N/A	N/A		
89	Equ Guin	3C	17	78	-11	N/A	N/A		
90	Krmadec	ZL8	17	89	-1	N/A	N/A		
91	S.Shetld	VP8	17	87	-4	N/A	N/A		
92	Kure	KH7	16	91	-1	N/A	N/A		
93	Navassa	KP1	16	96	3	N/A	N/A		
94	Turkey	TA	15	81	-13	N/A	N/A		
95	Midway I	KH4	15	90	-5	N/A	N/A		
96	China	BY	15	49	-47		1	-95	
97	Mali	TZ	15	86	-11		59	-38	
98	Minami T	JD	14	70	-28	N/A	N/A		
99	Zaire	9Q	11	93	-6	N/A	N/A		
100	Mauritan	5T	11	99	-1	N/A	N/A		

East Coast	%	Midwest	%	West Coast	%	1987	Europe	%	Asia	%
DXCC Country	Need	DXCC Country	Need	DXCC Cntry	Need	Rank	DXCC Country	Need	DXCC Country	Need
Burma	XZ 84	Albania	ZA 83	Albania	ZA 87	1	Vietnam	XV 76	Albania	ZA 84
Albania	ZA 83	Burma	XZ 77	Bouvet	3Y 78	2	Burma	XZ 62	S Yemen	70 80
Vietnam	XV 77	Bouvet	3Y 76	S Yemen	70 76	3	Albania	ZA 62	Burma	XZ 76
S Yemen	70 73	S Yemen	70 74	N Yemen	4W 73	4	Afghanis	YA 52	Bouvet	3Y 72
Afghanis	YA 72	Vietnam	XV 70	Burma	XZ 70	5	Kingman	KH5K 48	SMOM	1A0 56
Bouvet	3Y 72	N Yemen	4W 65	Afghanis	YA 69	6	Bouvet	3Y 48	Malpelo	HK0 56
N Yemen	4W 68	Afghanis	YA 63	Vietnam	XV 65	7	S Yemen	70 48	S.Georga	VP8 56
Laos	XW 67	Laos	XW 60	Mt Athos	SV/A 61	8	S.Sandwh	VP8 48	Afghanis	YA 48
Spratly	1S 64	Andaman	VU4 57	U. A. E.	A6 60	9	Laos	XW 48	N Yemen	4W 48
Kampucha	XU 62	U. A. E.	A6 57	Bngldesh	S2 60	10	A & C Is	ZL9 43	Vietnam	XV 36
Bngldesh	S2 62	Mt Athos	SV/A 56	Bhutan	A5 54	11	S.Georga	VP8 38	Niger	5U 36
Andaman	VU4 59	Bngldesh	S2 56	Niger	5U 53	12	Palmyra	KH5 38	Benin	TY1 32
Bhutan	A5 59	Kampucha	XU 55	S.Sandwh	VP8 52	13	Peter I	3Y 38	S.Sandwh	VP8 32
Marion I	ZS2 54	Spratly	1S 55	Marion I	ZS2 52	14	Baker HW	KH1 38	Mt Athos	SV/A 32
S.Georga	VP8 53	Bhutan	A5 54	Abu Ali	52	15	N Yemen	4W 33	Ethiopia	ET 32
U. A. E.	A6 52	Lacadive	VU7 53	S.Georga	VP8 51	16	Mellish	VK9M 33	S. Felix	CE0 28
S.Sandwh	VP8 52	S.Sandwh	VP8 53	Laos	XW 51	17	Malpelo	HK0 33	Congo	TN 28
Lacadive	VU7 48	Marion I	ZS2 51	Mozambqe	C9 51	18	Spratly	1S 33	Chad	TT 28
Mt Athos	SV/A 47	S.Georga	VP8 50	Glorioso	FR/G 50	19	Rev Gig	XF4 33	S Sudan	ST0 24
Mozambqe	C9 46	Mozambqe	C9 44	Tromelin	FR/T 50	20	Bngldesh	S2 33	Glorioso	FR/G 24
JuanNova	FR/E 46	Tromelin	FR/T 44	Malpelo	HK0 50	21	Marion I	ZS2 33	Mozambqe	C9 24
Kingman	KH5K 45	Ethiopia	ET 42	JuanNova	FR/E 49	22	Mozambqe	C9 33	S.Orkney	VP8 24
Tromelin	FR/T 45	JuanNova	FR/E 41	Ethiopia	ET 48	23	Kure	KH7 33	Marion I	ZS2 24
Niger	5U 44	Niger	5U 40	Libya	5A 48	24	Congo	TN 29	U. A. E.	A6 24
Mellish	VK9M 44	Abu Ali	40	Spratly	1S 48	25	Navassa	KP1 29	St P/P	PY0P 24
Ethiopia	ET 41	Peter I	3Y 39	SMOM	1A0 47	26	Kampucha	XU 29	Masagasy	5R 24
Agalega	3B6 41	JanMayen	JX 38	Somali	60 46	27	Bhutan	A5 29	Guinea B	J5 20
Peter I	3Y 40	Agalega	3B6 36	Andaman	VU4 46	28	Lacadive	VU7 29	Lacadive	VU7 20
Abu Ali	40	Somali	60 35	Chad	TT 46	29	Glorioso	FR/G 29	Andaman	VU4 20
A & C Is	ZL9 39	Glorioso	FR/G 35	S Sudan	ST0 45	30	S. Felix	CE0 29	Abu Ali	20
Glorioso	FG/G 38	S Sudan	ST0 35	Lacadive	VU7 44	31	Andaman	VU4 29	Tromelin	FR/T 20
S Sudan	ST0 38	Kingman	KH5K 35	Congo	TN 44	32	Tromelin	FR/T 29	Spratly	1S 20
Baker HW	KH1 38	Iraq	YI 35	Agalega	3B6 44	33	St P/P	PY0P 24	Togo	5V 20
Macao	XX9 37	A & C Is	ZL9 34	Masagasy	5R 42	34	Angola	D2 24	A & C Is	ZL9 20
Willis	VK9W 37	Malpelo	HK0 34	Pagalu I	3C0 42	35	W Caroln	KC6 24	JanMayen	JX 16
E Malays	9M6 37	Maldives	8Q 33	Peter I	3Y 40	36	JuanNova	FR/E 24	Sovbases	ZC4 16
Amster	FT8Z 36	Libya	5A 33	Maldives	8Q 40	37	C Kiribt	T31 24	JuanNova	FR/E 16
Palmyra	KH5 35	Baker HW	KH1 33	Tunisia	3V 38	38	Mt Athos	SV/A 24	Baker HW	KH1 16
Somali	60 33	SMOM	1A0 32	Trindade	PY0T 38	39	Ethiopia	ET 24	Rev Gig	XF4 16
Angola	D2 33	Armenia	UG6 32	Iran	EP 38	40	Benin	TY1 24	Cameroon	TJ 16
Congo	TN 33	Iran	EP 32	Benin	TY1 38	41	Pagalu I	3C0 24	Rwanda	9X 16
Heard Is	VK0 32	Congo	TN 32	A & C Is	ZL9 37	42	Agalega	3B6 24	Tunisia	3V 16
W Caroln	KC6 32	Heard Is	VK0 31	Kampucha	XU 37	43	Wallis	FW 24	Navassa	KP1 16
Masagasy	5R 32	Cocos-K	VK9Y 31	Angola	D2 36	44	Krmadec	ZL8 19	Peter I	3Y 16
Cocos-K	VK9Y 32	E Malays	9M6 29	Mayotte	FH 36	45	Minami T	JD 19	Bhutan	A5 12
Xmas Is	VK9X 32	Palmyra	KH5 29	Iraq	YI 35	46	Tuvalu	T2 19	Trindade	PY0T 12
Benin	TY1 32	Mellish	VK9M 29	Sovbases	ZC4 34	47	Macquari	VK0 19	Mellish	VK9M 12
Iraq	YI 31	Angola	D2 28	Heard Is	VK0 34	48	Amster	FT8Z 19	Sao Tome	S9 12
JanMayen	JX 31	Chad	TT 28	Cameroon	TJ 34	49	S Sudan	ST0 19	Mali	TZ 12
Brunei	V85 30	Pagalu I	3C0 28	Armenia	UG6 33	50	S.Orkney	VP8 19	Agalega	3B6 12
Kergelen	FT8X 30	Masagasy	5R 28	Uganda	5X 33	51	Niger	5U 19	Bngldesh	S2 12
SMOM	1A0 30	Willis	VK9W 28	Kingman	KH5K 33	52	Abu Ali	19	Libya	5A 12
Malpelo	HK0 30	Benin	TY1 27	Comoros	D6 33	53	Somali	60 19	Fernando	PYOF 12
Tuvalu	T2 30	Sovbases	ZC4 27	Rwanda	9X 33	54	Maldives	8Q 19	S.Shetld	VP8 12
Libya	5A 29	Macao	XX9 27	Guinea B	J5 32	55	Comoros	D6 14	Heard Is	VK0 12
Iran	EP 29	Egypt	SU 26	Sudan	ST 32	56	Willis	VK9W 14	Mauritan	5T 12
C Kiribt	T31 29	Amster	FT8Z 25	St P/P	PY0P 32	57	S.Shetld	VP8 14	Somali	60 12
Taiwan	BV 29	S. Felix	CE0 24	Egypt	SU 32	58	Mayotte	FH 14	Burundi	9U 12
Pagalu I	3C0 28	Sao Tome	S9 24	Sao Tome	S9 31	59	Rwanda	9X 14	Willis	VK9W 8
Sao Tome	S9 28	Trindade	PY0T 24	Mellish	VK9M 31	60	Xmas Is	VK9X 14	Uganda	5X 8
Chad	TT 28	Sudan	ST 23	Nepal	9N 30	61	Libya	5A 14	Angola	D2 8
S. Felix	CE0 27	C Kiribt	T31 23	Amster	FT8Z 30	62	U. A. E.	A6 14	Kingman	KH5K 8
Ogaswara	JD 27	Rwanda	9X 23	JanMayen	JX 29	63	Sao Tome	S9 14	Laos	XW 8
Trindade	PY0T 27	Xmas Is	VK9X 23	Burundi	9U 29	64	Midway I	KH4 14	Mayotte	FH 8
Mongolia	JT 27	St P/P	PY0P 22	Baker HW	KH1 28	65	Ogaswara	JD 14	Palmyra	KH5 8
Armenia	UG6 27	Kergelen	FT8X 22	Ghana	9G 28	66	China	BY 14	Zaire	9Q 8
S.Orkney	VP8 27	Tuvalu	T2 22	S. Felix	CE0 27	67	Brunei	V85 14	Pagalu I	3C0 8
Maldives	8Q 27	Guinea B	J5 22	Palmyra	KH5 27	68	Togo	5V 14	Comoros	D6 8
Macquari	VK0 27	Tunisia	3V 22	Togo	5V 27	69	Heard Is	VK0 14	Ghana	9G 8
Mayotte	FH 25	S.Orkney	VP8 21	S.Orkney	VP8 26	70	Masagasy	5R 10	Amster	FT8Z 4
Wallis	FW 24	Brunei	V85 21	Turkey	TA 26	71	Ghana	9G 10	Midway I	KH4 4
Rwanda	9X 24	Comoros	D6 21	Kergelen	FT8X 24	72	SMOM	1A0 10	Iraq	YI 4
Tunisia	3V 23	Mayotte	FH 21	Willis	VK9W 24	73	Mali	TZ 10	Krmadec	ZL8 4

GENERAL
PRINTING

GRAPHIC
ARTS

GSL CARDS

**FOR THE DX'ER
BY A DX'ER**

WA6AHF

MEMBER
NO. CALIF. DX CLUB

Hughes SERVICES UNLIMITED
17494 VIA ALAMITOS
SAN LORENZO, CALIF. 94580

(415) 278-3573

WRITE FOR SAMPLES

Copyright 1987 by The DX Bulletin. The DX Bulletin is published 50 times per year at 816 Fourth Street, Suite 1001, Santa Rosa CA 95404 USA (707) 523-1001. One-year subscription rates are \$28 Second Class Mail, \$35 First Class Mail, and \$50 Foreign Airmail.

LAY-OUT

PASTE
UP

1980 Results

DXCC Country	Rank
China	BY 1
Burma	XZ 3
Albania	ZA 4
Lacative	VU7 5
Heard Is	VK0 6
S Yemen	70 7
Kampucha	XU 8
Andaman	VU4 10
S. Felix	CE0 11
Bouvet	3Y 12
JuanNova	FR/E 14
Glorioso	FR/G 15
Vietnam	XV 17
Malpelo	HK0 18
Afghanis	YA 19
N Yemen	4W 20
Somali	60 21
Libya	5A 22
Uganda	5X 23
Laos	XW 26
Congo	TN 28
U. A. E.	A6 30
Masagasy	5R 31
Chad	TT 33
Benin	TY1 34
St P/P	PY0P 36

Fernando	PYOF 36
Willis	VK9W 37
Tromelin	FR/T 38
Pagalu I	3C0 39
Iraq	YI 41
Comoros	D6 43
Mt Athos	SV/A 45
Togo	5V 45
Abu Ali	47
S.Sandwh	VP8 48
Bngldesh	S2 49
Mellish	VK9M 50
Mayotte	FH 51
Macquari	VK0 52
Cocos-K	VK9Y 52
Spratly	1S 53
S.Georgia	VP8 53
Bhutan	A5 55
S Sudan	ST0 57
A & C Is	ZL9 58
Mali	TZ 59
Taiwan	BV 60
Guinea B	J5 61
E Malays	9M6 62
Trindade	PY0T 62
Niger	5U 66
Cameroon	TJ 67
Sao Tome	S9 72



ICOM IC-761

A NEW ERA DAWNS

- Built-in AC Power Supply
- Built-in Automatic Antenna Tuner
- SSB, CW, FM, AM, RTTY
- Direct Keyboard Entry
- 160-10m/General Coverage Receiver
- Passband Tuning plus IF Shift
- QSK up to 60 WPM

The IC-761 ushers in an exciting new era of amateur radio communications: an era filled with all the DX'ing, contesting, and multi-mode operating pleasures of a fresh new sunspot cycle. The innovative IC-761 includes all of today's most desired features in a single full-size cabinet. This is ham radio at its absolute best!

Work the World. The IC-761 gives you the competitive edge with standard features including a built-in AC power supply, automatic antenna tuner, 32 fully tunable memories, self-referencing SWR bridge, continuously variable RF output power to 100 watts in most modes, plus much, much more!

Superb Design, Uncompromised Quality. A 105dB dynamic range receiver features high RF sensitivity and steep skirted IF selectivity that cuts QRM like a knife. A 100% duty cycle transmitter includes a large heatsink and internal blower. The IC-761 transceiver is backed with a full one-year warranty and ICOM's dedicated customer service with four regional factory service centers. Your operating enjoyment is guaranteed!

All Bands, All Modes Included. Operates all HF bands, plus it includes general coverage reception from 100kHz to 30MHz. A top SSB, CW, FM, AM, and RTTY performer!

Passband Tuning and IF Shift plus tunable IF notch provide maximum operating flexibility on SSB, CW, and RTTY modes. Additional features include multiple front panel filter selection, RF

speech processor, dual width and adjustable-level noise blanker, panel selectable low-noise RF preamp, programmable scanning, and all-mode squelch. The IC-761 is today's most advanced and elaborate transceiver!

Direct Frequency Entry Via Front Keyboard or enjoy the velvet-smooth tuning knob with its professional feel and rubberized grip.

Special CW Attractions include a built-in electronic keyer, semi or full break-in operation rated up to 60 WPM, CW narrow filter and adjustable sidetone.

Automatic Antenna Tuner covers 160-10 meters, matches 16-150 ohms and uses high speed circuits to follow rapid band shifts.

Complementing Accessories include the CI-V computer interface adapter, SM-10 graphic equalized mic, and an EX-310 voice synthesizer.

You're The Winner with the new era IC-761. See the biggest and best HF at your local ICOM dealer.

ICOM
First in Communications

ICOM America, Inc. 2380-116th Ave. N.E. Bellevue, WA 98004 Customer Service Hotline (206) 454-7619
3150 Premier Drive, Suite 126, Irving, TX 75063 1777 Phoenix Parkway, Suite 201, Atlanta, GA 30349
ICOM CANADA, A Division of ICOM America, Inc. 3071 - #5 Road, Unit 9 Richmond, B.C. V6X 2T4 Canada

All stated specifications are approximate and subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions. "76148"